

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/573,718
Source: IFWP
Date Processed by STIC: 4/6/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>**> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

SERIAL NUMBER: 10/573, 718

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- | | | |
|----------|--|--|
| 1 _____ | <p>Wrapped Nucleios
Wrapped Aminos</p> | <p>The number/text at the end of each line “wrapped” down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent “wrapping.”</p> |
| 2 _____ | <p>Invalid Line Length</p> | <p>The rules require that a line not exceed 72 characters in length. This includes white spaces.</p> |
| 3 _____ | <p>Misaligned Amino
Numbering</p> | <p>The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.</p> |
| 4 _____ | <p>Non-ASCII</p> | <p>The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.</p> |
| 5 _____ | <p>Variable Length</p> | <p>Sequence(s) _____ contain n’s or Xaa’s representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.</p> |
| 6 _____ | <p>PatentIn 2.0
“bug”</p> | <p>A “bug” in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.</p> |
| 7 _____ | <p>Skipped Sequences
(OLD RULES)</p> | <p>Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where “X” is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where “X” is shown)
This sequence is intentionally skipped
Please also adjust the “(ii) NUMBER OF SEQUENCES:” response to include the skipped sequences.</p> |
| 8 _____ | <p>Skipped Sequences
(NEW RULES)</p> | <p>Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000</p> |
| 9 _____ | <p>Use of n’s or Xaa’s
(NEW RULES)</p> | <p>Use of n’s and/or Xaa’s have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n’s or Xaa’s are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.</p> |
| 10 _____ | <p>Invalid <213>
Response</p> | <p>Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)</p> |
| 11 _____ | <p>Use of <220></p> | <p>Sequence(s) _____ missing the <220> “Feature” and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> “Organism” response is “Artificial Sequence” or “Unknown.” Please explain source of genetic material in <220> to <223> section or use “chemically synthesized” as explanation. (See “Federal Register,” 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules</p> |
| 12 _____ | <p>PatentIn 2.0
“bug”</p> | <p>Please do not use “Copy to Disk” function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use “File Manager” or any other manual means to copy file to floppy disk.</p> |
| 13 _____ | <p>Misuse of n/Xaa</p> | <p>“n” can only represent a single <u>nucleotide</u>; “Xaa” can only represent a single <u>amino acid</u></p> |



IFWP

RAW SEQUENCE LISTING

DATE: 04/06/2006

PATENT APPLICATION: US/10/573,718

TIME: 11:00:12

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Output Set: N:\CRF4\04062006\J573718.raw

3 <110> APPLICANT: Toraya, Tetsuo
 4 Tobimatsu, Takamasa
 5 Yamanishi, Mamoru
 6 Mori, Kouichi
 7 Kajiura, Hideki
 8 Yamada, Seiki
 9 Yuzuki, Michio
 10 Azuma, Muneaki
 11 Hara, Tetsuya
 12 Yasuda, Shinzo
 14 <120> TITLE OF INVENTION: Method for Production of 3-hydroxypropionaldehyde
 16 <130> FILE REFERENCE: 08917-116US1
 C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/573,718
 C--> 18 <141> CURRENT FILING DATE: 2006-03-27
 18 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/014213
 19 <151> PRIOR FILING DATE: 2004-09-29
 22 <150> PRIOR APPLICATION NUMBER: JP 2003-337663
 23 <151> PRIOR FILING DATE: 2003-09-29
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pp 1, 4
 Does Not Comply
 Corrected Diskette Needed

Invalid <213> response. See item 10 on
 Error Summary Sheet

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Input Set : A:\08917-116US1 Seq List.txt

Output Set : N:\CRF4\04062006\J573718.raw

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 338 catcaacccc aaaggcgaca tcatcgccac ccatctcgcc ggcgaggcg acatggtgac 1740
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 344 gttctttctc acgcccgtgc cgcccgcctg gttcgccgcg gtctgctggt tgaaagcgga 1920
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 354 tattcgcggc agcgagggcc cccgaaacgc ggtggccacc ggctcgattc tctcctggca 2220
 356 taaggagttt gcgcatgaac ggtaatcaca gcgccccggc catcgcgatc gccgtcatcg 2280
 358 acggctgcga cggcctgtgg cgcgaagtgc tgctgggtat cgaagaggaa ggtatccctt 2340
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RAW SEQUENCE LISTING

DATE: 04/06/2006

PATENT APPLICATION: US/10/573,718

TIME: 11:00:12

Input Set : A:\08917-116US1 Seq List.txt

Output Set: N:\CRF4\04062006\J573718.raw

362	gctcgccgct	gctggtgggc	atcgccctgcg	accgccatat	gctggtcgtg	cactacaaga	2460
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366	gcaacaccgg	taataacgcg	gcacggctgg	tcaaggggat	ccctttccgg	gatctgaata	2580
368	gcgaagcaac	aggagaacag	caggatgaat	aagatctcgg	gtagcccggc	taatgagcgg	2640
370	gctttttttt	atgagaatta	caacttatat	cgtatggggc	tgacttcagg	tgctacattt	2700
372	gaagagataa	attgcactga	aatctagaaa	tattttatct	gattaataag	atgatcttct	2760
374	tgagatcggt	ttggtctgcg	cgtaatctct	tgctctgaaa	acgaaaaaac	cgcttgcag	2820
376	ggcggttttt	cgaaggttct	ctgagctacc	aactctttga	accgaggtaa	ctggcttggg	2880
378	ggagcgcagt	cacaaaaact	tgctctttca	gttttagcct	aaccggcgca	tgacttcaag	2940
380	actaactcct	ctaaatcaat	taccagtggc	tgctgccagt	ggtgcttttg	catgtctttc	3000
382	cgggttggac	tcaagacgat	agttaccgga	taaggcgagc	cggtcggact	gaacgggggg	3060
384	ttcgtgcata	cagtcacagt	tggagcgaac	tgcttaccgg	gaactgagtg	tcaggcgtgg	3120
386	aatgagacaa	acgcggccat	aacagcggaa	tgacaccggt	aaaccgaaag	gcaggaaacag	3180
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394	caggaaatct	ccgccccgtt	cgtaagccat	ttccgctcgc	cgcagtcgaa	cgaccgagcg	3420
396	tagcgagtcg	gtgagcgagg	aagcgggaata	tatcctgtat	cacatattct	gctgacgcac	3480
398	cgggtgcagcc	ttttttctcc	tgccacatga	agcacttcac	tgacaccctc	atcagtgcc	3540
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402	gcaccacccc	gtcagtagct	gaacaggagg	gacagctgat	agaaacagaa	gccactggag	3660
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408	cctgttgata	ccgggaagcc	ctgggccaac	ttttggcgaa	aatgagacgt	tgatcggcac	3840
410	gtaagagggt	ccaactttca	ccataatgaa	ataagatcac	taccgggogt	attttttgag	3900
412	ttatcgagat	tttcaggagc	taagggaagct	aaaatggaga	aaaaaatcac	tggaataacc	3960
414	accgttgata	tatcccaatg	gcacgtgtaa	gaacattttg	aggcatttca	gtcagttgct	4020
416	caatgtacct	ataaccagac	cgttcagctg	gatattacgg	cctttttaaa	gaccgtaaag	4080
418	aaaaataaag	acaagtttta	tcgggccttt	attcacattc	ttgcccgcct	gatgaatgct	4140
420	catccggaat	ttcgtatggc	aatgaaagac	ggtgagctgg	tgatatggga	tagtgttcac	4200
422	ccttgttaca	ccgtttttcca	tgagcaaaact	gaaacgtttt	catcgctctg	gagtgaatac	4260
424	cacgacgatt	tcgggcagtt	tctacacata	tattcgcaag	atgtggcggtg	ttacggtgaa	4320
426	aacctggcct	atttccttaa	aggggtttatt	gagaatatgt	ttttcgtctc	agccaatccc	4380
428	tgggtgagtt	tcaccagttt	tgattttaaac	gtggccaata	tggaacaactt	cttcgcccc	4440
430	gttttcacca	tgggcaaata	ttatacgcaa	ggcgacaagg	tgctgatgcc	gctggcgatt	4500
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434	cagtactgcg	atgagtggca	gggcggggcg	taattttttt	aaggcagtta	ttgggtgccct	4620
436	taaacgcctg	gtgctacgcc	tgaataagtg	ataataagcg	gatgaatggc	agaaattcga	4680
438	aagcaaattc	gaccgggtcg	tcggttcagg	gcagggtcgt	taaatagccg	cttatgtcta	4740
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456	cgatcaactg	ggtgccagcg	tggtggtgtc	gatggtagaa	cgaagcggcg	tcgaagcctg	5280
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VERIFICATION SUMMARY

DATE: 04/06/2006

PATENT APPLICATION: US/10/573,718

TIME: 11:00:13

Input Set : A:\08917-116US1 Seq List.txt

Output Set: N:\CRF4\04062006\J573718.raw

L:18 M:270 C: Current Application Number differs, Replaced Current Application No

L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date